



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/672,864

09/26/2003

Jeyhan Karaoguz

15026US02

1276

23446 7590 12/07/2007
MCANDREWS HELD & MALLOY, LTD
500 WEST MADISON STREET
SUITE 3400
CHICAGO, IL 60661

EXAMINER

WANG, LIANG CHE A

ART UNIT

PAPER NUMBER

2153

MAIL DATE

DELIVERY MODE

12/07/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/672,864

Applicant(s)

KARAOGUZ ET AL.

Examiner

Liang-che Alex Wang

Art Unit

2153

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 November 2007.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-68 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-68 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date. _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

1. Claims 1-68 are presented for examination.
2. This action is in response to amendment file don 10/1/2007.

Response to Arguments

3. Applicant's arguments filed 11/1/2007, have been fully considered but they are not persuasive.
4. In that remarks, applicant's argues in substance:
 - a. Applicant argues that Lu does not describe, teach or suggest " server software that maintains a **user defined** association of the first and second network addresses ...".

In response to applicant's argument, in Col 6 lines 54-58 of Lu, PVR 200A is used to record desired TV shows requested by user from PVR 200, and once PVR 200A record the TV show, PVR 200A transmits the TV show to the EGP server 304, which then transmits the TV show to the requested PVR 200; the association of PVR 200 and PVR 200A is made when PVR 200A is identified to record the user desired program, and the server must maintain the association of the network address of PVR 200 and 200A for media transfer. When the user requests a desired TV show, and the system is making the association of PVR 200 and PVR 200A based on user's request, the association of PVR 200 and 200A is **defined by the user**. The Examiner is rejecting claim language with its broadest

interpretation of the scope of the claims. Applicant may specify the differences in details to overcome the rejection.

- b. That: Lu does not teach or suggest “receiving a request identifying one of the network protocol addresses and responding by identifying the other” (page 17)
- In response to applicant’s argument, Lu teaches PVR 200 sends a request to EPG server 304 to locate PVR 200A and/or PVR 200B (Col 6 lines 43-50), and each PVR is associated with an IP addresses so each PVR could communicate with one another (Col 10 lines 10-12). In order for PVR to communicate with one another in a networked environment, each device is having a network address. PVR 200 is requesting for content and based on the request from PVR 200, PVR 200A/200B is responding with the requested content. Network addresses of are identified at each device to enable network communication and data transmission.
- c. That: Lu does not teach “to support management of one of the associated first or second sets of options governing the consumption of media” or “enabling the management of the associated set of options governing the consumption of media. (page 28)

In response to applicant’s argument, Lu Col 6 lines 39-58, Col 9 lines 29-44, PVR 200 with display 212 supports users to utilize EPG at the first home to select and record desired TV show from remote PVRs, the functions provided from EPG to allow user schedule and program remote recording at PVR 200, corresponds to associated first set of options governing the consumption of media. It is known that EGP provides options for user to schedule program recordings.

- d. Pocock does not teach “server software that receives from the telephone voice response system a request, and responds by **enabling the management of the associated set of options governing the consumption of media**” (page 20).

In response to applicant’s argument, it is the combination of Lu and Pocock that teaches the claimed invention, not Pocok alone. Lu as modified teaches a EPG server that enabling the management of the associated set of options governing the consumption of media (refer to rejection to claim 1).

- e. Pock teaches does not teach “telephone voice system having an associated third network address”.

In response to applicant's Argument, a telephone in a telephone network is inherently associated with a network address such as the telephone number of the telephone.

Updated rejection is provided.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-7, 9, 12-19, 21, 24, 37-42, 44-51, 53, 56-63, 65 and 68 are rejected under 35 U.S.C. 102(e) as being anticipated by Lu, US Patent Number 7,065,778 B1, hereinafter Lu.
7. Referring to claim 1, Lu teaches a system (system 300, figure 3) supporting the management of options related to media consumption (Col 7 lines 31-34, Col 6 lines 39-45), the system comprising:
 - a first television display (display 212 of PVR 200A; figure 2 and Col 6 lines 21-28) in a first home (the place where PVR 200A resides corresponds to “a first home”; Col 6 lines 43-61, Col 1 lines 64-67, figure 3);
 - the first television display having an associated first set of options governing the consumption of media (Col 6 lines 39-58, Col 9 lines 29-44, PVR 200A with display 212 supports users to utilize EPG at the first home to select and record desired TV show from remote PVRs, the functions provided from EPG to allow user schedule and program remote recording at PVR 200A, corresponds to associated first set of options governing the consumption of media);
 - a first storage (data storage device 218 of PVR 200A corresponds to “a first storage”) in the first home that stores the media (Col 6 lines 50-53, Col 10 lines 40-43);
 - the first storage supporting consumption of the media by the first television display (Col 10 lines 26-29, 40-43, data storage device 218 of a PVR is used for storing TV programs for future viewing), and having a first network address (IP address of PVR 200A corresponds to “a first network address”; Col 10 lines 10-15, each PVR is associated with an IP address);

a second television display (display 212 of PVR 200; Col 6 lines 21-28) in a second home (the place where PVR 200 resides corresponds to “a second home”; figure 3);

the second television display having an associated second set of options governing the consumption of media (Col 6 lines 39-58, Col 9 lines 29-44, PVR 200 with display 212 supports users to utilize EPG at the first home to select and record desired TV show from remote PVRs, the functions provided from EPG to allow user schedule and program remote recording at PVR 200, corresponds to associated first set of options governing the consumption of media);

a second storage (data storage device 218 of PVR 200 corresponds to “a second storage”) in the second home that stores the media (Col 5 lines 53-61, Col 10 lines 40-43);

the second storage (data storage device 218 of PVR 200) supporting consumption of the media by the second television display (Col 10 lines 26-29, 40-43, data storage device 218 of a PVR is used for storing TV programs for future viewing), and having a second network address (IP address of PVR 200 corresponds to “a second network address”; Col 10 lines 10-15, each PVR is associated with an IP address);

server software (EGP server 304) that maintains a user defined association of the first and second network addresses (Col 6 lines 54-58, PVR 200A is used to record desired TV shows requested by user from PVR 200, and once PVR 200A record the TV show, PVR 200A transmits the TV show to the EGP server 304, which then transmits the TV show to the requested PVR 200; the association of PVR 200 and PVR 200A is made

when PVR 200A is identified to record the user desired program, and the server must maintain the association of the network address of PVR 200 and 200A for media transfer), receives a request (Col 9 lines 8-10, 29-44, server receives a request from PVR 200) that identifies one or more of the associated first or second network addresses, a user identifier, and authorization information (Col 10 lines 10-15, IP address of PVR 200 is identified as the requester), and responds by identifying the other of the associated first or second network addresses (Col 6 lines 45-50, network address of PVR 200A is located (identified) for server to send request to record desired TV shows) to support the management of one of the associated first or second sets of options governing the consumption of media (Col 6 lines 39-58, EPG server supports the management of the options governing the consumption of media from PVRs; for example PVR 200 utilizes EPG to request desired TV shows requested to be recorded from PVR 200A, and once PVR 200A record the TV show, PVR 200A transmits the TV show to the EGP server 304, which then transmits the TV show to the requested PVR 200).

8. Referring to claim 2, Lu teaches the system of claim 1 wherein the first and second network protocol addresses are one of an Internet protocol (IP) address, a media access control (MAC) address, or an electronic serial number (ESN) (Lu, Col 10 lines 10-15, each PVR is associated with an IP address).
9. Referring to claim 3, Lu teaches the system of claim 1 wherein the communication network comprises one or more of a cable infrastructure, a satellite network infrastructure, a digital subscriber line (DSL) infrastructure, an Internet infrastructure, an intranet infrastructure, a wired infrastructure, and/or a wireless infrastructure (Lu, Col 7

lines 1-8, PVR 200, 200A and EGP server 304 may be coupled via coaxial cable, copper wire, fiber optics, the Internet 302, wireless communication and the like).

10. Referring to claim 4, Lu as modified teaches the system of claim 1 wherein the communication network is the Internet (Lu, Col 7 lines 1-8, Internet 302).
11. Referring to claim 5, Lu teaches the system of claim 1 wherein the media comprises one or more of audio, a still image, video, real-time video and/or data (Lu, Col 7 lines 25-28, network 300 operate with any type of media content: audio, video, graphics, information, data, and/or the like in any type of format).
12. Referring to claim 6, Lu teaches the system of claim 1 wherein consumption comprises one or more of playing audio, displaying a still image, displaying video, and/or displaying data (Col 6 lines 23-28, display devices is suitable for displaying video and/or graphic images and alphanumeric characters recognizable to a user; Col 7 lines 25-28, types of media supported by system 300 are audio, video, graphics, information, data, and/or the like in any type of format).
13. Referring to claim 7, Lu teaches the system of claim 1 wherein each of the associated first and second sets of options governing the consumption of media comprises one or more of a media schedule, a device address, a device identifier, billing information, tracking information channel setup information, program setup information, digital rights management information, media caching information, media storage information, media filter information, a user profile, and/or pay-per-view event information (Col 6 lines 35-58, user uses EGP to select desired TV show for recording, which includes media scheduling and program setup information).

14. Referring to claim 9, Lu teaches the system of claim 1 wherein management comprises one or more of observing, setting, modifying, deleting, registering, authenticating, and/or determining authority (Col 6 lines 45-58, EPG server locates the PVRs situated in within a broadcast region of the requested television show covers the limitation of observing and determining authority).
15. Referring to claim 12, Lu teaches the system of claim 1 wherein the server software functions to perform one or both of the storage and/or delivery of media (Col 6 lines 54-58, PVR 200A is used to record desired TV shows requested from PVR 200, and once PVR 200A record the TV show, PVR 200A transmits the TV show to the EGP server 304, which then transmits the TV show to the requested PVR 200).
16. Referring to claim 13, Lu teaches a system (system 300, figure 3) supporting the management of options related to media consumption (Col 7 lines 31-34, Col 6 lines 39-45), the system comprising:
 - a television display (display 212 of PVR 200A; figure 2 and Col 6 lines 21-28) in a first home (the place where PVR 200A resides corresponds to "a first home"; Col 6 lines 43-61, Col 1 lines 64-67, figure 3);
 - a first storage (data storage device 218 of PVR 200A corresponds to "a first storage") that stores the media (Col 6 lines 50-53, Col 10 lines 40-43), in the first home, the first storage communicatively coupled to the television display (display 212 of PVR 200A; figure 3 data storage device 218 is coupled to display 212), and having an associated first set of options governing the consumption of media (Col 6 lines 39-58, Col 9 lines 29-44, PVR 200A with display 212 supports users to utilize EPG at the first

home to select and record desired TV show from remote PVRs, the functions provided from EPG to allow user schedule and program remote recording at PVR 200A, corresponds to associated first set of options governing the consumption of media), and a first network address (IP address of PVR 200A corresponds to “a first network address”; Col 10 lines 10-15, each PVR is associated with an IP address);

set top box circuitry (PVR 200A corresponds to “set top box circuitry”; Col 5 lines 26-35), in the first home, communicatively coupled to the first storage to support consumption of media (Col 6 lines 54-58, PVR 200A is used to record desired TV shows requested from PVR 200, and once PVR 200A record the TV show, PVR 200A transmits the TV show to the EGP server 304, which then transmits the TV show to the requested PVR 200);

a personal computer monitor (display 212 of PVR 200; Col 6 lines 21-28, CRT and LCD display could be personal computer monitors) in a second home (the place where PVR 200 resides corresponds to “a second home”; figure 3);

a second storage (data storage device 218 of PVR 200 corresponds to “a second storage”) that stores the media, in the second home (Col 5 lines 53-61, Col 10 lines 40-43), the second storage communicatively coupled to the personal computer monitor (display 212 of PVR 200; figure 3 data storage device 218 is coupled to display 212), and having an associated second set of options governing the consumption of media (Col 6 lines 39-58, Col 9 lines 29-44, PVR 200 with display 212 supports users to utilize EPG at the first home to select and record desired TV show from remote PVRs, the functions provided from EPG to allow user schedule and program remote recording at PVR 200,

corresponds to associated first set of options governing the consumption of media); and having a second network address (IP address of PVR 200 corresponds to “a second network address”; Col 10 lines 10-15, each PVR is associated with an IP address);

personal computer circuitry (PVR 200 corresponds to “personal computer circuitry”; Col 5 lines 26-35), in the second home, communicatively coupled to the second storage to support consumption of media (Col 6 lines 17-21, storage device 218 is used to support consumption of media);

server software (EGP server 304) that maintains a user defined association of the first and second network addresses (Col 6 lines 54-58, PVR 200A is used to record desired TV shows requested by user from PVR 200, and once PVR 200A record the TV show, PVR 200A transmits the TV show to the EGP server 304, which then transmits the TV show to the requested PVR 200; the association of PVR 200 and PVR 200A is made when PVR 200A is identified to record the user desired program, and the server must maintain the association of the network address of PVR 200 and 200A for media transfer), receives a request (Col 9 lines 8-10, 29-44, server receives a request from PVR 200) that identifies one or more of the associated first or second network addresses, a user identifier, and authorization information (Col 10 lines 10-15, IP address of PVR 200 is identified as the requester), and responds by identifying the other of the associated first or second network addresses (Col 6 lines 45-50, network address of PVR 200A is located (identified) for server to send request to record desired TV shows) to support the management of one of the associated first or second sets of options governing the consumption of media (Col 6 lines 39-58, EPG server supports the management of the

options governing the consumption of media from PVRs; for example PVR 200 utilizes EPG to request desired TV shows requested to be recorded from PVR 200A, and once PVR 200A record the TV show, PVR 200A transmits the TV show to the EGP server 304, which then transmits the TV show to the requested PVR 200).

17. Referring to claim 14, Lu teaches the system of claim 13 wherein the first and second network protocol addresses are one of an Internet protocol (IP) address, a media access control (MAC) address, or an electronic serial number (ESN) (Lu, Col 10 lines 10-15, each PVR is associated with an IP address).
18. Referring to claim 15, Lu teaches the system of claim 13 wherein the communication network comprises one or more of a cable infrastructure, a satellite network infrastructure, a digital subscriber line (DSL) infrastructure, an Internet infrastructure, an intranet infrastructure, a wired infrastructure, and/or a wireless infrastructure (Lu, Col 7 lines 1-8, PVR 200, 200A and EGP server 304 may be coupled via coaxial cable, copper wire, fiber optics, the Internet 302, wireless communication and the like).
19. Referring to claim 16, Lu as modified teaches the system of claim 13 wherein the communication network is the Internet (Lu, Col 7 lines 1-8, Internet 302).
20. Referring to claim 17, Lu teaches the system of claim 13 wherein the media comprises one or more of audio, a still image, video, real-time video and/or data (Lu, Col 7 lines 25-28, network 300 operate with any type of media content: audio, video, graphics, information, data, and/or the like in any type of format).
21. Referring to claim 18, Lu teaches the system of claim 13 wherein consumption comprises one or more of playing audio, displaying a still image, displaying video, and/or

displaying data (Col 6 lines 23-28, display devices is suitable for displaying video and/or graphic images and alphanumeric characters recognizable to a user; Col 7 lines 25-28, types of media supported by system 300 are audio, video, graphics, information, data, and/or the like in any type of format).

22. Referring to claim 19, Lu teaches the system of claim 13 wherein each of the associated first and second sets of options governing the consumption of media comprises one or more of a media schedule, a device address, a device identifier, billing information, tracking information channel setup information, program setup information, digital rights management information, media caching information, media storage information, media filter information, a user profile, and/or pay-per-view event information (Col 6 lines 35-58, user uses EGP to select desired TV show for recording, which includes media scheduling and program setup information).
23. Referring to claim 21, Lu teaches the system of claim 13 wherein management comprises one or more of observing, setting, modifying, deleting, registering, authenticating, and/or determining authority (Col 6 lines 45-58, EPG server locates the PVRs situated in within a broadcast region of the requested television show covers the limitation of observing and determining authority).
24. Referring to claim 24, Lu teaches the system of claim 13 wherein the server software functions to perform one or both of the storage and delivery of media (Col 6 lines 54-58, PVR 200A is used to record desired TV shows requested from PVR 200, and once PVR 200A record the TV show, PVR 200A transmits the TV show to the EGP server 304, which then transmits the TV show to the requested PVR 200).

25. Referring to claims 37-42, 44-51, 53, 56-63, 65, and 68, claims 37-42, 44-51, 53, 56-63, 65, and 68 encompass the same scope of the invention as that of the claims 13-19, 21, 24. Therefore, claims 37-42, 44-51, 53, 56-63, 65, and 68 are rejected on the same reason as the claims 13-19, 21, 24.

Claim Rejections - 35 USC § 103

26. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

27. Claims 8, 20, 43, 52 and 64 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lu, US Patent Number 7,065,778 B1, hereinafter Lu, in view of Koppich et al., US Patent Number 7,084,994, hereinafter Koppich.
28. Referring to claims 8 and 20, Lu teaches the invention as described in claims 7 and 19. Lu does not specifically teach the media filtering information comprises one or more of an industry rating, a program time, a language, content information and/or a personal program preference.

However, Koppich teaches at a cable head end, the resident software maintains a directory of user profiles in a preference directory, wherein the profiles includes subscribers information, set top box capabilities and blocking filters (Col 11 lines 32-36).

It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate user profiles with user preferences of Koppich to

Lu, because Lu and Koppich both teaches inventions related to video services with set top box. Lu teaches a system of users using personalized video recorders to record desired television show from remote locations (Col 6 lines 39-58), and Koppich suggests a user profile resides on a cable head end, which includes filtering information and user preferences (Col 11 lines 32-36).

A person with ordinary skill in the art would have been motivated to make the modification to Lu because having the filtering information with personal program preferences would allow the personalized video recorder of Lu accepts only the television shows that meet criteria specified by the filtering data as taught by Koppich (Col 11 lines 36-39).

29. Referring to claims 43, 52 and 64, claims 43, 52 and 64 encompass the same scope of the invention as that of the claim 20. Therefore, claims 43, 52 and 64 are rejected for the same reason as the claim 20.

30. Claims 10, 11, 22, 23, 25-32, 34-36, 54, 55, 66 and 67 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lu, US Patent Number 7,065,778 B1, hereinafter Lu, in view of Pocock, US Patent Number 7,170,546, hereinafter Pocock.

31. Referring to claims 10 and 22, Lu teaches the invention as described in claims 1 and 13. Lu teaches the server software (EGP server 304) that receives a request (Col 9 lines 8-10, 29-44, server receives a request from PVR 200) that identifies one of the associated first or second network addresses, a user identifier, and authorization information (Col 10 lines 10-15, IP address of PVR 200 is identified as the requester), and responds by identifying the other of the associated first or second network addresses (Col 6 lines 45-

50, network address of PVR 200A is located (identified) for server to send request to record desired TV shows) to support the management of one of the associated first or second sets of options governing the consumption of media (Col 6 lines 39-58, EPG server supports the management of the options governing the consumption of media from PVRs; for example PVR 200 utilizes EPG to request desired TV shows requested to be recorded from PVR 200A, and once PVR 200A record the TV show, PVR 200A transmits the TV show to the EGP server 304, which then transmits the TV show to the requested PVR 200).

Lu does not specifically teach a telephone voice response system for receiving user input via a telephone network, and having an associated third network address, and server software that receives a request from the telephone voice response system.

However, Pocock teaches a telephone voice response system (Col 6 lines 19-37; Col 12 lines 26-31) for receiving user input via a telephone network (Col 6 lines 28-30, user gives inputs to the system via telephone network), and having an associated third network address (a telephone in a telephone network is inherently associated with a network address such as the telephone number of the telephone), and server software that receives a request from the telephone voice response system (Col 6 lines 21-25, viewer sends instructions to server via telephone).

It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate the telephone voice response system of Pocock into Lu because both Lu and Pocock teaches television system that distributes video to viewers (figure 3 of Lu and figure 3 of Pocock), and Pocock suggests the use of

telephone network in the system of Lu for requesting television shows (Col 6 lines 19-37).

A person with ordinary skill in the art would have been motivated to make the modification to Lu because having the telephone network would allow the existing system of Lu to expand by having the system connecting with a telephone network as taught by Pocock (Col 6 lines 19-37) which would allow a wider range of users to utilize the system of Lu.

32. Referring to claims 11 and 23, Lu teaches the system of claims 10 and 22, wherein the telephone voice response system recognizes one or both of human speech and dual-tone multi-frequency (DTMF) signals (Col 6 lines 26-31, input of DTMF tones).
33. Referring to claim 25, Lu teaches a system (system 300, figure 3) supporting the management of options related to media consumption (Col 7 lines 31-34, Col 6 lines 39-45), the system comprising:

a storage (data storage device 218 of PVR 200A corresponds to “a storage”) for storing the media (Col 6 lines 50-53, Col 10 lines 40-43);

set top box circuitry (PVR 200A corresponds to “set top box circuitry”; Col 5 lines 26-35), supporting the consumption of media (Col 6 lines 54-58, PVR 200A is used to record desired TV shows requested from PVR 200, and once PVR 200A record the TV show, PVR 200A transmits the TV show to the EGP server 304, which then transmits the TV show to the requested PVR 200) via a communication network (see figure 3), the set top box circuitry communicatively coupled to the storage (figure 2, PVR 200A coupled to the storage 218);

server software (EGP server 304) that receives a request (Col 9 lines 8-10, 29-44, server receives a request from PVR 200), and responds by enabling the management of one of the associated set of options governing the consumption of media (Col 6 lines 39-58, EPG server supports the management of the options governing the consumption of media from PVRs; for example PVR 200 utilizes EPG to request desired TV shows requested to be recorded from PVR 200A, and once PVR 200A record the TV show, PVR 200A transmits the TV show to the EGP server 304, which then transmits the TV show to the requested PVR 200).

Lu does not specifically teach a telephone voice response system for receiving user input via a telephone network, and server software that receives a request from the telephone voice response system.

However, Pocock teaches a telephone voice response system (Col 6 lines 19-37; Col 12 lines 26-31) for receiving user input via a telephone network (Col 6 lines 28-30, user gives inputs to the system via telephone network), and server software that receives a request from the telephone voice response system (Col 6 lines 21-25, viewer sends instructions to server via telephone).

It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate the telephone voice response system of Pocock into Lu because both Lu and Pocock teaches television system that distributes video to viewers (figure 3 of Lu and figure 3 of Pocock), and Pocock suggests the use of telephone network in the system of Lu for requesting television shows (Col 6 lines 19-37).

A person with ordinary skill in the art would have been motivated to make the modification to Lu because having the telephone network would allow the existing system of Lu to expand by having the system connecting with a telephone network as taught by Pocock (Col 6 lines 19-37) which would allow a wider range of users to utilize the system of Lu.

34. Referring to claim 26, Lu teaches the system of claim 25 wherein the communication network comprises one or more of a cable infrastructure, a satellite network infrastructure, a digital subscriber line (DSL) infrastructure, an Internet infrastructure, an intranet infrastructure, a wired infrastructure, and/or a wireless infrastructure (Lu, Col 7 lines 1-8, PVR 200, 200A and EGP server 304 may be coupled via coaxial cable, copper wire, fiber optics, the Internet 302, wireless communication and the like).
35. Referring to claim 27, claim 27 encompasses the same scope of the invention as that of the claims 25. Therefore, claims 27 is rejected for the same reason as the claim 25.
36. Referring to claim 28, Lu teaches the system of claim 27 wherein the communication network comprises one or more of a cable infrastructure, a satellite network infrastructure, a digital subscriber line (DSL) infrastructure, an Internet infrastructure, an intranet infrastructure, a wired infrastructure, and/or a wireless infrastructure (Lu, Col 7 lines 1-8, PVR 200, 200A and EGP server 304 may be coupled via coaxial cable, copper wire, fiber optics, the Internet 302, wireless communication and the like).
37. Referring to claim 29, Lu as modified teaches the system of claim 27 wherein the communication network is the Internet (Lu, Col 7 lines 1-8, Internet 302).

38. Referring to claim 30, Lu teaches the system of claim 27 wherein the media comprises one or more of audio, a still image, video, real-time video and/or data (Lu, Col 7 lines 25-28, network 300 operate with any type of media content: audio, video, graphics, information, data, and/or the like in any type of format).
39. Referring to claim 31, Lu teaches the system of claim 27 wherein consumption comprises one or more of playing audio, displaying a still image, displaying video, and/or displaying data (Col 6 lines 23-28, display devices is suitable for displaying video and/or graphic images and alphanumeric characters recognizable to a user; Col 7 lines 25-28, types of media supported by system 300 are audio, video, graphics, information, data, and/or the like in any type of format).
40. Referring to claim 32, Lu teaches the system of claim 27 wherein each of the associated first and second sets of options governing the consumption of media comprises one or more of a media schedule, a device address, a device identifier, billing information, tracking information channel setup information, program setup information, digital rights management information, media caching information, media storage information, media filter information, a user profile, and/or pay-per-view event information (Col 6 lines 35-58, user uses EGP to select desired TV show for recording, which includes media scheduling and program setup information).
41. Referring to claim 34, Lu teaches the system of claim 27 wherein management comprises one or more of observing, setting, modifying, deleting, registering, authenticating, and/or determining authority (Col 6 lines 45-58, EPG server locates the PVRs situated in within

a broadcast region of the requested television show covers the limitation of observing and determining authority).

42. Referring to claim 35, Lu teaches the system of claim 27, wherein the telephone voice response system recognizes one or both of human speech and dual-tone multi-frequency (DTMF) signals (Col 6 lines 26-31, input of DTMF tones).
43. Referring to claim 36, Lu teaches the system of claim 27 wherein the server software functions to perform one or both of the storage and/or delivery of media (Col 6 lines 54-58, PVR 200A is used to record desired TV shows requested from PVR 200, and once PVR 200A record the TV show, PVR 200A transmits the TV show to the EGP server 304, which then transmits the TV show to the requested PVR 200).
44. Referring to claims 54, 55, 66 and 67, claims 54, 55, 66 and 67 encompass the same scope of the invention as that of the claims 22 and 23. Therefore, claims 54, 55, 66 and 67 are rejected on the same ground as the claims 22 and 23.
45. Claim 33 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lu, in view of Pocock in further views of Koppich et al., US Patent Number 7,084,994, hereinafter Koppich.
46. Referring to claim 33, Lu teaches the invention as described in claim 27. Lu does not specifically teach the media filtering information comprises one or more of an industry rating, a program time, a language, content information and/or a personal program preference.

However, Koppich teaches at a cable head end, the resident software maintains a directory of user profiles in a preference directory, wherein the profiles includes subscribers information, set top box capabilities and blocking filters (Col 11 lines 32-36).

It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate user profiles with user preferences of Koppich to Lu, because Lu and Koppich both teaches inventions related to video services with set top box. Lu teaches a system of users using personalized video recorders to record desired television show from remote locations (Col 6 lines 39-58), and Koppich suggests a user profile resides on a cable head end, which includes filtering information and user preferences (Col 11 lines 32-36).

A person with ordinary skill in the art would have been motivated to make the modification to Lu because having the filtering information with personal program preferences would allow the personalized video recorder of Lu accepts only the television shows that meet criteria specified by the filtering data as taught by Koppich (Col 11 lines 36-39).

Conclusion

47. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Liang-che Alex Wang whose telephone number is (571)272-3992. The examiner can normally be reached on Monday thru Friday, 8:30 am to 5:00 pm.

48. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenton B Burgess can be reached on (571)272-3949. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
49. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Liang-che Alex Wang
December 4, 2007

A handwritten signature in black ink, appearing to read "L. C. Wang", written in a cursive style.